**Index of Claims** 

10/032,213 Examiner

SALLOUM, HOUSSAM

Reexamination

Applicant(s)/Patent under

**Art Unit** 

Luke Gilligan

3626

7	Rejected
II	Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected -

Cla	aim	Date													
Final	Original	8/14/07													
	1 2 3 4 5 6	✓	Τ		П	1	П		1						
	2	✓				Т									
	3	<b>√</b>				T		П							
	4	V	Г	İ		T	1								
	5	V		T		Т				Т					
	6	V						Г	Г						
	7	V			1	t	İ	Г	Т						
	8	1	Г												
	9	V			Г				Т	1					
	10	Ī		T	Π		T								
	11	V			$\vdash$		T	T	T						
	12	V					T			$\vdash$					
	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Т	Т				T	$\vdash$	Г					
	14	Ì		Г	1	Т	Т	T	$\vdash$	T					
	15	J		<u> </u>	$I^-$	т	T	$\vdash$	<del> </del>	$\vdash$					
	16	Ţ	Т		$\vdash$	1	T	$\vdash$	$\vdash$	T					
	17	J			1	<del>                                     </del>	✝	$\vdash$	$\vdash$						
	18	1	-	1	╁	┢	1	<del> </del>	$\vdash$						
_	19	1	$\vdash$	$\vdash$	-	┢	十	╁	╁						
	20	7.	H	$\vdash$		├	<del>  -</del>	╁	┢	-					
	21	ľ	⊢	⊢	<u> </u>	-	╁	⊢	⊢						
	22	$\vdash$	-	$\vdash$	┢	$\vdash$	╁	├	╁						
	23	$\vdash$	-	<del> </del>	⊢	$\vdash$	┢╌	╁╾	┢						
_	24		$\vdash$	-	-	╁	$\vdash$	H	⊢	-					
	25		$\vdash$	-	├	╁	┢	$\vdash$	-	-					
	26		$\vdash$	$\vdash$	H	┼─	-		┢						
	27	$\vdash$	_	<del>                                     </del>	$\vdash$	╁	-	-	┢						
	28	$\vdash$	$\vdash$			$\vdash$	<del>                                     </del>	-	┢						
	28 29	$\vdash$	$\vdash$	-	┢	⊢	⊢	<del>                                     </del>	-						
	30	_	$\vdash$	H	H	├	╁	┢	H	$\vdash$					
	31	Н		┝	-	┢	H	H							
	32	Н		┝	⊢	┢	┢	┝	┢	H					
	30 31 32 33 34 35	$\vdash$	-	├	-	┢	$\vdash$	$\vdash$	<del>                                     </del>	-					
$\vdash$	34		$\vdash$	$\vdash$	$\vdash$	-	<del> </del>	$\vdash$	$\vdash$	$\vdash$					
-	35		-	$\vdash$	⊢	-		$\vdash$	$\vdash$	$\vdash$					
$\vdash$	36		-	Ι	$\vdash$	$\vdash$	$\vdash$	╁		H					
	37	$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	-	$\vdash$	Н					
	36 37 38 39	-	_		<del> </del>		$\vdash$	$\vdash$	$\vdash$	$\vdash$					
	30	$\vdash$	_		$\vdash$	$\vdash$	$\vdash$	-	$\vdash$	Н					
	40	$\vdash$		Н	┢		$\vdash$	$\vdash$	$\vdash$	$\vdash$					
-	41			$\vdash$	$\vdash$	<del> </del>	<del> </del>	$\vdash$	$\vdash$	$\vdash$					
	42	Н	-		$\vdash$	$\vdash$	$\vdash$		-	Н					
	43	$\dashv$		$\vdash$	<del>                                     </del>	$\vdash$	-	<del> </del>		Н					
	44	$\vdash$		-	<del> </del>	$\vdash$	-	-	$\vdash$	Н					
	45	$\vdash$		$\vdash$	$\vdash$	-		$\vdash$	$\vdash$	Н					
	46	$\vdash$	-	Н	-	$\vdash$	$\vdash$		$\vdash$	$\vdash$					
	47				—		-	-	$\vdash$	$\vdash \vdash$					
	48	-		-	-	Η-		-	$\vdash$	Н					
	49	-	_			$\vdash$	H	<del> </del>	-	$\vdash\vdash$					
<del>-  </del>	50		-		-	-	$\vdash$	$\vdash$		$\vdash\vdash$					
	່ວປຸ	- 1		i 1	1					. 1					

Cl	aim	Date													
		T	Т	Т	Γ.	T	Ť	Г	Т	Τ					
<u></u>	Original	1	1	1	1	1	1		1						
Final	ġ	1	1		l	1	1		1	1					
"	ŏ		1							ĺ					
-	E4	┼	┼-	$\vdash$	$\vdash$	⊢	$\vdash$	├	+-	├					
$\vdash$	51 52	╁	+-	$\vdash$	┼	₩	-	$\vdash$	-	+					
-	52	⊢	₩	-	├-	⊢	┼	⊢	$\vdash$	-					
-	53 54	+	-	$\vdash$	⊢	├-	-	├-	├	⊢					
-	54	├-	$\vdash$	$\vdash$	┼	├	⊢	$\vdash$	⊢	├					
-	55	┼	⊢	┼	-	⊢	├	├	<b>-</b>	$\vdash$					
-	56 57	₩	ـ		⊢	$\vdash$			⊬	<del> </del>					
-	5/	┼	-	╁	⊢	⊢	-	<del> </del>	⊢	⊢					
<b></b>	58	$\vdash$	╁	+	-	⊢	⊢	├	⊢	⊬					
-	59	₩	$\vdash$	$\vdash$	<del> </del>	├-	₩	⊢	├	<del> </del>					
	60	⊢	₩		├—	⊢	├	├-	<del> </del>	$\vdash$					
$\vdash$	61	├-	₩	$\vdash$	├-	├	$\vdash$	$\vdash$	<del> </del>	-					
	62 63	├	₩	⊢	⊢	├-	-	<del> </del>	├-	<del> </del>					
	03	├-	<del> </del>		<del> </del>	₩	-	-	⊢	<del> </del>					
<u> </u>	64	₩	$\vdash$	₩	-	₩.	⊢	<b> </b>	Ь—	$\vdash$					
-	65	-	├	₩	$\vdash$	├		<del> </del>	⊢	<u> </u>					
-	66	<del> </del>	$\vdash$	$\vdash$	$\vdash$	-	<del> </del>	$\vdash$	<u> </u>	<del> </del>					
	67	$\vdash$	-	1	-	₩	$\vdash$	<del> </del> —	-	<del> </del>					
-	68	-	$\vdash$	₩	<del> </del>	-	⊢	<b>—</b>	$\vdash$	<del> </del>					
-	69	-		₩	$\vdash$	$\vdash$	<del> </del> _	$\vdash$	<u> </u>	<u> </u>					
<u> </u>	70 71	<u> </u>	<b>-</b>	<del> </del>	<u> </u>	<del> </del>	<del> </del>	<b>—</b>	<u> </u>	<u> </u>					
	/1	$\vdash$	<u> </u>	<del> </del>	<u> </u>		<u> </u>	<u> </u>	$\vdash$	$\vdash$					
<b> </b>	72	$\vdash$	<u> </u>	-	<del> </del>	$\vdash$	<b>—</b>	<u> </u>	<u> </u>	$\vdash$					
<u> </u>	73 74	<u> </u>	⊢	$\vdash$	_	<u> </u>	⊢	$\vdash$	<u> </u>	<u> </u>					
<u> </u>	/4	1	$\vdash$	$\vdash$		<del> </del>	⊢	<u> </u>	<u> </u>	$\vdash$					
<u> </u>	75	<u> </u>	<del> </del>	$\vdash$	<u> </u>	-	<u> </u>	$\vdash$	<u> </u>	<u> </u>					
<b> </b>	76 77	$\vdash$	<del> </del>	-	$\vdash$	<del> </del>		<u> </u>	<u> </u>	<u> </u>					
	17	$\vdash$	<u> </u>	<del> </del>	<u> </u>	$\vdash$	<u> </u>	<u> </u>	$\vdash$	$\vdash \vdash$					
<b>—</b>	78	$\vdash$	$\vdash$	-	<u> </u>	$\vdash$	<u> </u>	<del> </del>	<u> </u>	$\vdash$					
<b> </b>	79	$\vdash$	-	<del> </del>	<u> </u>	<del> </del>	<u> </u>	<u> </u>	<u> </u>	$\vdash$					
<u> </u>	80	<del> </del>	$\vdash$	$\vdash$	<u> </u>	<u> </u>	$\vdash$	<u> </u>	<u> </u>	Щ					
<u> </u>	81 82	<del> </del>	<del> </del>		$\vdash$	<u> </u>	<u> </u>	<u> </u>	$\vdash$						
$\vdash$	82	<del> </del>	$\vdash$	$\vdash$	<u> </u>	<del> </del> -	$\vdash$	<u> </u>	<b> </b>	Щ					
-	83	-	<del> </del>	$\vdash$	$\vdash$	<u> </u>	$\vdash$	$\vdash$	<u> </u>	$\vdash$					
-	84 85	-		$\vdash$	<u> </u>	—	<del> </del>	$\vdash$	<u> </u>	$\vdash$					
-		$\vdash$	$\vdash$	—	<u> </u>	$\vdash$	$\vdash$	$\vdash$		Ш					
	86	$\vdash$		<del> </del>	_	<del> </del>	<u> </u>	<u> </u>	<u> </u>	<del>                                     </del>					
$\vdash$	87 88	<del> </del>	$\vdash$	$\vdash$	<u> </u>	├	$\vdash$	<u> </u>	<u> </u>	$\vdash \vdash$					
	00	$\vdash$		<del> </del>	$\vdash$	<u> </u>	<u> </u>	$\vdash$	<u> </u>	$\vdash \vdash$					
$\vdash$	89	$\vdash$	$\vdash$	$\vdash$	<u> </u>	-	<u> </u>	<u> </u>	<b> </b>	Щ					
$\vdash$	90	<del> </del>	<u> </u>	$\vdash$	<del> </del>	<u> </u>	$\vdash$	<u> </u>	$\vdash$	Н					
<u> </u>	91	$\vdash$	<del> </del>	-	_	H	<u> </u>	<u> </u>	$\vdash$	Ш					
$\vdash$	92		<del> </del>	<del>                                     </del>	<u> </u>	-	$\vdash$	Н	┡	Ш					
$\vdash$	93	<del> </del>	<del> </del> —	$\vdash$	<u> </u>	<u> </u>	$\vdash$	<u> </u>	<u> </u>	Н					
$\vdash$	94		$\vdash$	$\vdash$	<b> </b>		$\vdash$		L	Н					
	95 96	<del> </del>	-	$\vdash$	<u> </u>	<del> </del>	$\vdash$	$\vdash \vdash$	<u> </u>	Ш					
$\vdash\vdash\vdash$		H	⊨	$\vdash$	<b></b>	Ш	<u> </u>		_	Щ					
$\vdash$	97	<b> </b> -	$\vdash$	$\vdash$	<u> </u>	Н	$\vdash$	<u> </u>	Щ	Щ					
$\vdash$	98	<u> </u>	<u> </u>	$\vdash$	<u> </u>	Н	Н	$\vdash$	_	Щ					
$\vdash\vdash\vdash$	99 100	H.	<b> </b>	<b> </b>	Щ	Щ	$\vdash \vdash$	Щ	_	$\square$					
1 1	1001	1	1	1	1	1 1	۱ ۱			. 1					

Claim		Date				]	Claim			Date							Claim				Date													
Original												Final	Original										i	Final	Original									
1		<u>/</u>	4			┺	1	Ц.	4	╄	1	$\sqcup$	51		_	$\Box$	_	_	_	_	_	_	╙		101	_	_	_		_	$\Box$	$\Box$	_	┙
2		<u> </u>	4		ļ	↓_	1	+	┸	┷	4		52		_	_	_	_	4	4	_	_	L		102	_		_	_	_		_	$\perp$	_
3		<u>/</u>	4		L	-	4	1	_	-	-	$\vdash \vdash$	53				_	_	_	_	4	4	_		103	4	4	4	_	$\dashv$			_	_
4		۷Į.	4	_	┞	┼	╀	+	+	+	-	$\vdash$	54		-	$\dashv$		-	4	4	-		-		104	4	4	_	_	4	_	4	_	_
5 6		<b>/</b>	4	_	_	╄	╀	╀	+-	+-	┨		55	-			$\dashv$	-		-+	+	4	⊢		105	$\dashv$		4	4	_		$\dashv$	_	_
1 7		<del>/</del>	-		├	╁	╀	+	+		-	$\vdash$	56 57				$\dashv$	$\dashv$		+	$\dashv$	$\dashv$	-	-	106		+	4	$\dashv$	$\dashv$		$\dashv$	-	4
8		7	$\dashv$		-	╁	╁	╫	+	╁	┨	$\vdash$	58	-		$\dashv$	$\dashv$	-	-	$\dashv$	$\dashv$	$\dashv$	-	$\dashv$	107		+	4	-		$\dashv$	-	-	
9	+:	7	$\dashv$		⊢	╁╌	+-	+-	+	+	1	-	59	$\dashv$	-		$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\vdash$	$\dashv$	108	$\dashv$	+	+	$\dashv$	$\dashv$		-	$\dashv$	$\dashv$
10		7	7	_	┢	+	╁	+	╁	+-	1	$\vdash$	60	$\dashv$	_	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\vdash$	ᅱ	110	$\dashv$	+	+	-+	$\dashv$	$\dashv$	-		$\dashv$
11		7	┪		$\vdash$	+-	$\dagger$	╁	+	+	1		61	-	$\dashv$	-	ᅱ	$\dashv$	-	十	十	┪	$\vdash$	$\neg$	111	+	-+-	┪	$\dashv$	┪	$\dashv$	$\dashv$	$\dashv$	-
12		7	7	-	$\vdash$	t	t	1	+	1	1	$\vdash$	62		1	$\neg$		$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	-	ᅥ	112	-		+	$\dashv$	$\dashv$	$\dashv$		$\dashv$	$\dashv$
13		7	7			1	$\top$	$\top$	$\top$	$\top$	1		63		7	$\dashv$	寸	_	_	十	十	$\dashv$		$\dashv$	113	+	+	┪	十	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$
14		7	T				$\top$	Τ	Τ		1		64	$\neg$		$\neg$	寸	寸	7	十	$\neg$	┪	_		114	$\dashv$	_	┪	$\dashv$	一	$\dashv$	$\dashv$	_	$\dashv$
15	L	1	T			Π	Т	Т	1	1	1		65					$\neg$	7		T	┑		$\neg$	115	$\top$	十	7		ヿ	$\neg$	$\neg$	7	$\neg$
16		1											66				$\Box$		$\neg$	T					116	寸		7	ヿ	┪			$\neg$	
17		1				$\Box$	$oxed{oxed}$						67					$\Box$		$\Box$					117			T	$\neg$	$\neg$		寸	╗	
18		<u>/</u>	$\perp$										68							$\Box$	Т				118			T		$\neg$		T	╛	
19		1	_			<u> </u>			┸				69												119						$\neg$			
20	4	4	┙		_	<u> </u>	_	$\perp$	丄				70												120					$\Box$			T	
21	┸	_	4			┖	1	1	$\perp$		1		71												121	$\Box$				$\Box$				
22		4	4		ᆫ	┖	ــــ	4	$\perp$	_			72	_	_	_	_	_	$\perp$	$\perp$	$\perp$	_		$\Box$	122			$\perp$		$\Box$				
23		4	4			<u> </u>	╄	_	_	1_			73	_	_			$\perp$	_	_	$\perp$	_			123		$\perp$							
24	+	4	_		_	↓_	↓_	+	4-	_			74	4	_	_	_	_	_	4	$\perp$	_	L	_	124		$\perp$		_					
25		+	4	_	_	ـ	┼	+	-	╄		$\vdash$	75	4	_	_	_	4	_	4	4	4	$\perp$		125	_	_	4	_			_	_	
26		+	4	_		⊢	╁-	┼	╀	1			76	_	$\dashv$		_	_	4	$\dashv$	4	_	_	_	126	4	_	4	4	4	_	_	_	_
27		+	$\dashv$	4		⊢	╀	+-	┿	$\vdash$	-		77	$\dashv$		-	-	_		+	+	4	-	_	127	4	4	4	4	4	_	4	4	_
28 29	╀	+	+		_	⊢	╀	+-	╁	$\vdash$	1		78	$\dashv$	-	-+	$\dashv$	_		+	$\dashv$	-	-	-	128	+	_	4	-	$\dashv$	_	-	-	_
30	+-	+	+	=		-	╁	╁	╁	+-	1		79 80	+		-	$\dashv$	-	4	+	+	-	-		129	+	4	4	4	4	-	$\dashv$	4	_
31		+	+		-	$\vdash$	╁	+	+-	+	1	-+	81	$\dashv$	$\dashv$		-+	$\dashv$	-	+	+	$\dashv$	-	$\dashv$	130		+	4		+	4	-	4	4
32		+	+	-	-	┢	╁	╫	╁	+	1		82	$\dashv$	$\dashv$	-	$\dashv$	+	+	+	-	$\dashv$	$\vdash$	$\dashv$	131 132	+		+	$\dashv$	-	$\dashv$	+	$\dashv$	$\dashv$
33	+	+	+	-	_	╁	╁	╁	╁	+	1	-+	83	$\dashv$	$\dashv$	┰	-	$\dashv$	$\dashv$	-+	$\dashv$	$\dashv$	-		133	+	+	+	+	$\dashv$	-	-	$\dashv$	$\dashv$
34	+	+	+	$\exists$		$\vdash$	†	+	+		1 1		84	-	$\dashv$	$\dashv$	┪	+	+	$\dashv$	-		⊢		134	$\dashv$	+	+	$\dashv$	-+	-	$\dashv$	+	
35	T	$\dagger$	+	$\dashv$	_	$\vdash$	†	$\top$	$\top$	$\top$	1		85	+	+	$\dashv$	-	$\dashv$	+	十	+	$\dashv$	$\vdash$		135	+	+	+	$\dashv$	$\dashv$	+	$\dashv$	$\dashv$	$\dashv$
36		十	寸	_			T	†	+-	$\top$	1		86	$\dashv$	$\dashv$	-+	_	$\dashv$	$\dashv$	+	十	$\dashv$	H	$\dashv$	136	$\dashv$	+	十	-+	$\dashv$	$\dashv$	$\dashv$	+	$\dashv$
37	T	T	7	$\exists$		1	Τ	1	T		1		87	$\dashv$	-+	$\dashv$	$\dashv$	_	+	+	$\dashv$	$\dashv$		一	137	十	-	+	$\dashv$	+	-+	$\dashv$	+	$\dashv$
38	Τ	$\top$	寸			T	1	T	1		1		88	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\top$	$\dashv$	_	$\dashv$	138	+	+	$\dagger$	+	十	$\dashv$	十	$\dashv$	$\dashv$
39	Ι	J						1	1				89	$\neg$	$\dashv$	寸	_	+	$\top$	十	$\top$	$\neg$		_	139	$\dashv$	+	$\dagger$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$
40	Ι	I				Γ			Ι		]		90	$\dashv$	ヿ	7	$\neg$	$\neg$	十	$\top$	十	$\neg$		寸	140	$\dashv$	$\dashv$	$\top$	$\dashv$	十	-	$\dashv$	$\dashv$	ᅱ
41	T	Ι	$oxed{I}$						Γ		]		91					丁	丁		丁	$\Box$			141	+	$\top$	十	+	十	$\dashv$	$\dashv$	十	$\exists$
42		Ţ	I								]		92					$\Box$			丁			丁	142			T		$\neg$	_	$\neg$	╅	$\neg$
43	$\perp$	$\perp$	1			L	L	<u> </u>					93	$\perp$	ot	$\Box$	$\Box$			$\Box$	$\Box$				143			T		丁				
44	╄	1	4	_		L	_	1		$\sqcup$			94	$\perp \Gamma$		$\Box$	$\Box$	$\Box$	$\perp$	$\Box$	$\perp$				144		floor	brack T	丁	I		$\Box$		
45	$\downarrow$	4	4	_	_	<u> </u>	$\perp$	<u> </u>	1	Ш			95		_	$\perp$	_[	$\perp$	$\perp$			╝		$\Box$	145	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	$\perp$	Ι	$\Box$	$\Box$		$\Box$	$\Box$	
46	↓_	4	4	4			$\perp$	1	4	$\sqcup$			96	$\perp$	$\perp$	_	_	$\perp$					L	$\Box$	146			$oxed{J}$	$oldsymbol{\bot}$	$\Box$		$\Box$		
47	╄	4	4	4		┞	<u> </u>	4_	$\perp$	$\vdash$			97	4	_	4	$\dashv$	4	$\bot$	_	$\perp$	_	_		147	$\perp$	_ _	1		$\perp$		$\Box$		
48	╀	+	+	4		$\vdash$	┝	+	┼-	$\vdash$			98	_	$\downarrow$	_	_	$\dashv$	+	_	4	_	<u> </u>	_	148	$\perp$		4	$\perp$	4		$\perp$	_	
49 50	+-	+	+	4		-	┝	+	┿	+			99	+	-	$\dashv$	+	_	+	+	4	4	$\vdash$	_	149	$\dashv$	4	4	4	_	_	4	_	_
1 30		1.				Ц_		1_		ш	ıl		100			L							L.		150	1_		⊥		丄		$\perp$		┙